



Richard Drazenovich
Director
Public Works Department

City of Danville, Virginia
Department of Public Works
Engineering Division

P.O. Box 3300
Danville, Virginia 24543
(434) 799-5019
FAX: (434) 797-8919

A. Kent Shelton, Assistant
Public Works Director,
City Engineer

Steve Bohannon, Director
Streets Maintenance Division

Jeffery U. Dykes, Director
Buildings & Grounds Division

Thomas M. Spicer, Director
Sanitation Division

Barry Doeber, Director
Administration Division

January 7, 2009

J. Douglas Fritz, MS4 Program Manager
Department of Conservation and Recreation
Division of Soil and Water Conservation
Stormwater Permitting
203 Governor Street, Suite 206
Richmond, VA 23219

Re: City of Danville MS4 Program Plan (REVISED)

Dear Mr. Fritz:

Enclosed you will find a copy of the City of Danville's revised MS4 Program Plan for your review. We look forward to any comments or suggestions you may have concerning our revised plan. Please direct any questions or comments to my attention. I can be reached at 434-799-5019 or by email at dunevbl@ci.danville.va.us.

Sincerely,

Brian L. Dunevant
Public Works Project Engineer

C: M. Lyle Lacy, III, City Manager
Richard Drazenovich, Director of Public Works
Kent Shelton, Assistant Director of Public Works / City Engineer

CITY OF DANVILLE, VIRGINIA



VSMP MS4 GENERAL PERMIT PROGRAM PLAN

GENERAL PERMIT REGISTRATION NUMBER VAR040018

JANUARY 2009

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Section A

Registration Statement



Department of Conservation & Recreation
CONSERVING VIRGINIA'S NATURAL & RECREATIONAL RESOURCES

VSMP GENERAL PERMIT REGISTRATION STATEMENT FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS [VAR04]

(Please Type or Print All Information)

(The applicable fee specified in Form DCR 199-145 must additionally be submitted to the address given in that form to obtain coverage)

1. Regulated Small MS4

Name: City of Danville, Virginia

Type: ☒ City ☐ County ☐ Incorporated Town ☐ Unincorporated Town ☐ College or University
☐ Local School Board ☐ Military Installation ☐ Transport System ☐ Federal or State Facility ☐ Other

Location (County or City): City of Danville

2. Regulated Small MS4 Operator

Name: City of Danville

Address: P.O. Box 3300

City: Danville State: VA Zip: 24543

3. Hydrologic Unit Code(s) as identified in the most recent version of Virginia's 6th Order National Watershed Boundary Dataset currently receiving discharges or that have potential to receive discharges from the regulated small MS4:

RD33, RD36, RD37, RD38, RD39, RD40, RD41

4. Attach a description of the estimated drainage area, in acres, served by the regulated small MS4 discharging to any impaired receiving surface waters listed in the most recent Virginia 305(b)/303(d) Water Quality Assessment Integrated Report, and a description of the land use of each such drainage area.

5. Any TMDL waste loads allocated to the regulated small MS4 (this information may be found at <http://www.deq.state.va.us/tmdl/develop.html>)

No TMDL WLAs set

Sandy River TMDL Schedule – 2014

Fall Creek TMDL Schedule – 2016

Dan River TMDL Schedule- 2016

Pumpkin Creek TMDL Schedule – 2018

6. The name(s) of any regulated physically interconnected MS4s to which the regulated small MS4 discharges.

Danville Community College

7. A copy of the MS4 Program Plan that includes:

a. A list of BMPs that the operator proposes to implement for each of the stormwater minimum control measures and their associated measurable goals pursuant to 4VAC50-60-1240, Section II B; that includes:

i. A list of the existing policies, ordinances, schedules, inspection forms, written procedures, and other documents necessary for BMP implementation; and

ii. The individual, department, division, or unit responsible for implementing the BMP;

b. The objective and expected results of each BMP in meeting the measurable goals of the stormwater minimum control measures;

c. The implementation schedule including any interim milestones for the implementation of a proposed new BMP; and

d. The method that will be utilized to determine the effectiveness of each BMP and the program as a whole.

8. List all existing signed agreements between the operator and any applicable third parties where the operator has entered into an agreement in order to implement minimum control measures or portions of minimum control measures.

N/A

9. The name, address, telephone number and e-mail address of either the principal executive officer or ranking elected official as defined in 4VAC50-60-370.

M. Lyle Lacy, III Interim City Manager lacymil@ci.danville.va.us
P.O. Box 3300 Danville, VA 24543 434-799-5100

10. The name, position title, address, telephone number and e-mail address of any duly authorized representative as defined in 4VAC50-60-370.

Richard Drazenovich, Public Works Director drazenovich@ci.danville.va.us
P.O. Box 3300 Danville, VA 24543 434-799-5245

11. **Certification:** "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Print Name: M. Lyle Lacy, III

Title: Interim City Manager

Signature:  Date: 12/31/08

For Department of Conservation and Recreation Use Only

Accepted/Not Accepted by: _____ Date: _____

Basin _____ Stream Class _____ Section _____ Special Standards _____

Description of Land Use For Impaired Waters

Sandy River: VA DEQ data shows the impaired segment originates in Pittsylvania County. The land use description for the impaired segment of Sandy River would consist of forest land, residential dwellings and secondary roadways within the city limits. Agricultural, forest, secondary and rural roads, and sparse residential would be included outside of the city limits. There is also some commercial land use within the city limits near where the river discharges into the Dan River.

Pumpkin Creek: VA DEQ data shows the impaired segment originates at the VA/NC state line where Pumpkin Creek flows into the state and the city. The land use description for the impaired segment of Pumpkin Creek would consist of forest land, residential dwellings, primary and secondary roadways, schools, industrial and commercial use.

Fall Creek: VA DEQ data shows the impaired segment originates in City. The land use description for the impaired segment of Fall Creek would consist of forest land, residential dwellings, primary and secondary roadways, and some commercial land use.

Dan River: VA DEQ data shows the impaired segment originates in City near where Pumpkin Creek discharges into the river. The land use description for the impaired segment of the Dan River would consist of forest land, residential dwellings, primary and secondary roadways, industrial and commercial land use.

Revenue, if any, is paid
in the event of untimely delivery,
least and with some limitations,
in charges. See current Service



DEPARTMENT OF CONSERVATION AND RECREATION PERMIT APPLICATION FEE
FORM
EFFECTIVE SEPTEMBER 2004

INSTRUCTIONS

Applicants for an individual Virginia Stormwater Management Program (VSMP) Permit is required to pay permit application fees. Fees are also required for registration for coverage under General Permits. Fees must be paid when applications for permit issuance, reissuance* or modification are submitted. Applications will be considered incomplete if the proper fee is not paid and will not be processed until the fee is received. (* - the reissuance fee does not apply to VSMP - see the fee schedule included with this form for details.)

The permit fee schedule is included with this form. Fees for permit issuance or reissuance and for permit modification are included. Once you have determined the fee for the type of application you are submitting, complete this form. The original copy of the form and your check or money order payable to "Treasurer of Virginia" should be mailed to:

Department of Conservation and Recreation
Division of Finance, Accounts Payable
203 Governor Street
Richmond, Virginia 23219

A copy of the form and a copy of your check or money order should accompany the permit application. You should retain a copy for your records.

APPLICANT NAME: City of Danville SSN/FIN: 54-600-1243

ADDRESS: P.O. Box 3300 Danville, VA 24543

DAYTIME PHONE: (434) 799 - 5245

FACILITY/ACTIVITY NAME: Danville Stormwater Discharge

LOCATION: Danville, VA

TYPE OF PERMIT APPLIED FOR

(from Fee Schedule): VSMP Municipal Stormwater/MS4 General Permit (Small)

TYPE OF ACTION: New Issuance X Reissuance Modification

AMOUNT OF FEE SUBMITTED

(from Fee Schedule): \$600.00

EXISTING PERMIT NUMBER (if applicable): VAR040018

FOR DCR USE ONLY

Date: _____	DC #: _____
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VIRGINIA

32374

600.00

No. 078102

DANVILLE - DANVILLE, VIRGINIA

V00004523

DATE 11/29/07

INV. DATE	INVOICE NO.	DESCRIPTION	INVOICE GROSS	DISCOUNT	NET AMOUNT
11/21/07	112107	PERMIT FEE VAR040018	600.00		600.0
Copy					

PLEASE DETACH HERE BEFORE DEPOSITING
THE FACE OF THIS CHECK IS PRINTED GREEN - THE BACK CONTAINS A SIMULATED WATERMARK



AMERICAN NATIONAL BANK
& TRUST COMPANY
DANVILLE, VIRGINIA

CITY OF DANVILLE
FINANCE DEPARTMENT
Danville, Va.

No. 078102

PAY

SIX Hundred Dollars and ZERO Cents

DATE 11/29/07

68-102
514

Copy

VOID AFTER 90 DAYS

CHECK AMOUNT

*****600.00

TO
THE
ORDER
OF

TREASURER OF VIRGINIA
VA DEPT OF CONSERVATION & RECREATION
203 GOVERNOR ST STE 206
RICHMOND VA 23219-2094

Barbara A. Dameron
Lynnda K. McDowell

078102 051401027 1502896801



2004 Fact Sheets for Category 5 Waters

RIVER BASIN: Roanoke/Yadkin River Basins
CITY/COUNTY: Danville, Pittsylvania
STREAM NAME: Sandy River
HYDROLOGIC UNIT: 03010103
TMDL ID: VAC-L58R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 7.21 - Miles
INITIAL LISTING: 2002 **TMDL SCHEDULE:** 2014

UPSTREAM LIMIT:

DESCRIPTION: Hickory Forest Creek
RIVER MILE: 7.21
LATITUDE: 36.6204 **LONGITUDE:** -79.5053

DOWNSTREAM LIMIT:

DESCRIPTION: Sandy River confluence on the Dan River
RIVER MILE: 0.00
LATITUDE: 36.5869444444 **LONGITUDE:** -79.4172222222

Sandy River mainstem from the Hickory Forest Creek mouth downstream to the Sandy River confluence on the Dan River.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

This segment of Sandy River is not supporting the recreation use due to excessive counts of fecal coliform bacteria. Counts exceeded the instantaneous standard in 7/25 samples taken at 4ASRV000.20.

The segment has been shortened in the 2004 cycle to reflect the acceptable data recorded

upstream. There were no recorded violations in 8 samples taken at 4ASRV007.46.

**IMPAIRMENT
SOURCE:**

NPS - Agriculture

The source of the fecal coliform is agriculture and urban runoff.

**SEGMENT PROPOSED FOR TMDL
DELISTING?:**

NO

**SEGMENT PROPOSED FOR SHELLFISH
DELISTING?:**

NO



2004 Fact Sheets for Category 5 Waters

RIVER BASIN: Roanoke/Yadkin River Basins
CITY/COUNTY: Danville
STREAM NAME: Fall Creek
HYDROLOGIC UNIT: 03010105
TMDL ID: VAC-L61R-01
ASSESSMENT CATEGORY: 5A
SEGMENT SIZE: 2.3 - Miles
INITIAL LISTING: 2004 **TMDL SCHEDULE:** 2016
UPSTREAM LIMIT:
 DESCRIPTION: Little Fall Creek
 RIVER MILE: 2.30
 LATITUDE: 36.604 **LONGITUDE:** -79.3602
DOWNSTREAM LIMIT:
 DESCRIPTION: Dan River
 RIVER MILE: 0.00
 LATITUDE: 36.5851 **LONGITUDE:** -79.3795

Fall Creek mainstem from its mouth on the Dan River upstream to the mouth of Little Fall Creek.

CLEAN WATER ACT GOAL AND USE SUPPORT:

Recreation Use - Not Supporting

IMPAIRMENT CAUSE: Fecal Coliform

This segment of Fall Creek is not supporting the recreation use due to excessive counts of fecal coliform bacteria. Counts exceeded the instantaneous standard in 5/25 samples taken at 4AFAL001.58.

**IMPAIRMENT
SOURCE:**

Unknown

The source of fecal coliform is unknown.

**SEGMENT PROPOSED FOR TMDL
DELISTING?:**

NO

**SEGMENT PROPOSED FOR SHELLFISH
DELISTING?:**

NO



2008 Impaired Waters

Category 4 & 5 by Location*

Roanoke and Yadkin River Basins

Fact sheet prepared for Danville City

Cause Group Code: **L60R-02-BAC - Pumpkin Creek**

Location:	Pumpkin Creek from the VA/NC state line to its mouth on the Dan River
City/County	Danville City, Pittsylvania Co.
Use(s):	Recreation
Cause(s) / VA Category:	Escherichia coli / 5A

Station ID: 4APKP002.31 2/12 violation rate for e coli

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L60R_PKP01A06	Pumpkin Creek	From the VA/NC line to the mouth on the Dan River	5A	Escherichia coli	2006	2018	3.94

Pumpkin Creek

Estuary **Reservoir** **River**
(sq. miles) (acres) (miles)

Size within: Danville City

Escherichia coli / 5A
Total impaired size by water type:

3.94

Recreation

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.



2008 Impaired Waters

Category 4 & 5 by Location*

Roanoke and Yadkin River Basins

Fact sheet prepared for Danville City

Cause Group Code: L60R-01-HG - Dan River, Hyco River, Banister River

Location:	Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam.
City/County	Danville City, Halifax Co., Pittsylvania Co.
Use(s):	Fish Consumption
Cause(s) / VA Category:	Mercury in Fish Tissue / 5A

Fish Tissue and Sediment sampling scheduled for 2007.

VDH Fish Advisory - Mercury: Issued 8/31/07

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L60R_DAN03A02	Dan River	Dan River mainstem from the Brantley Steam Plant Dam downstream to the Danville Northside POTW.	5A	Mercury in Fish Tissue	2008	2020	0.35

Dan River, Hyco River, Banister River

Estuary (sq. miles) Reservoir (acres) River (miles)

Size within: Danville City

Mercury in Fish Tissue / 5A
Total impaired size by water type:

.35

Fish Consumption

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.



2008 Impaired Waters

Category 4 & 5 by Location*

Roanoke and Yadkin River Basins

Fact sheet prepared for Danville City

Cause Group Code: **L60R-01-PCB - Dan River, Hyco River, Banister River**

Location:	Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam.
City/County	Danville City, Halifax Co., Pittsylvania Co.
Use(s):	Fish Consumption
Cause(s) / VA Category:	PCB in Fish Tissue / 5A

Fish Tissue and Sediment sampling scheduled for 2007.

VDH Fish Advisory - PCBs: Issued 10/27/99, revised 12/31/04

Assessment Unit	Water name	Location Description	Cause Category	Cause Name	Cycle First Listed	TMDL Schedule	Size
VAC-L60R_DAN03A02	Dan River	Dan River mainstem from the Brantley Steam Plant Dam downstream to the Danville Northside POTW.	5A	PCB in Fish Tissue	2006	2014	0.35

Dan River, Hyco River, Banister River

Estuary (sq. miles) Reservoir (acres) River (miles)

Size within: Danville City

PCB in Fish Tissue / 5A
Total impaired size by water type:

.35

Fish Consumption

Sources:

- Source Unknown

* Narrative descriptions, location and city/county describe the entire extent of the impairment. Sizes may not represent the total size of the impairment.

Description of Land Use For Impaired Waters

Sandy River: VA DEQ data shows the impaired segment originates in Pittsylvania County. The land use description for the impaired segment of Sandy River would consist of forest land, residential dwellings and secondary roadways within the city limits. Agricultural, forest, secondary and rural roads, and sparse residential would be included outside of the city limits. There is also some commercial land use within the city limits near where the river discharges into the Dan River.

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Dan River: VA DEQ data shows the impaired segment originates in City near where Pumpkin Creek discharges into the river. The land use description for the impaired segment of the Dan River would consist of forest land, residential dwellings, primary and secondary roadways, industrial and commercial land use.

Section B

Introduction

Introduction

The City of Danville, Virginia

The City of Danville is located in southside Virginia next to the Virginia/North Carolina state line. Danville is situated approximately 65 miles south of Lynchburg, VA, 28 miles east of Martinsville, VA, 25 miles west of South Boston, VA and 45 miles north of Greensboro, NC. According to the 2000 Census, the population of Danville is 48,411.

Danville is approximately 44 square miles in area. The average yearly rainfall is approximately 45" while average snowfall is approximately 6". Stormwater from the City of Danville discharges directly into the Dan River and its tributaries.

Municipal Separate Storm Sewer System (MS4)

A MS4 includes the following stormwater conveyances: road drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels and storm drains which are owned or operated by a federal, state or local government entity. Stormwater that is conveyed in an MS4 does not discharge to a publicly owned treatment plant. The stormwater is discharged directly into the environment.

MS4 regulations were developed by the Environmental Protection Agency and implemented in two phases. Implementation of Phase I regulations began in the early 1990s and required that operators of MS4s serving populations of at least 100,000 people obtain permit coverage to discharge stormwater from their outfalls to the environment. Phase II regulations became effective in 2003 and required localities that operated small MS4s in urbanized areas apply for permit coverage. These areas include cities, counties, towns, federal facilities (such as military bases), state facilities (such as community colleges) and parkways. Danville is considered a Phase II community with a small MS4.

MS4 Program Plan

The requirement for the MS4 Program Plan is a result of the National Pollutant Discharge Elimination System (NPDES) permit program. As authorized by the Clean Water Act, the permit is used to control water pollution by regulating point sources that discharge pollutants into waters of the United States. The Plan is required to be implemented by localities to control the discharge of pollutants from their storm sewer systems to the maximum extent practicable in a manner that protects the water quality in nearby streams, rivers, wetlands and other watercourses. In the state of Virginia, the NPDES permit for MS4s is known as the Virginia Stormwater

Management Program (VSMP) Permit. This should not be confused with the VSMP General Permit for construction activities. http://www.dcr.virginia.gov/soil_&_water/vsmp.shtml

The purpose of this plan is to detail the Best Management Practices (BMPs) and associated goals for the following Six Minimum Measures as defined by the VSMP Permit:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Runoff Control For Development and Redevelopment
6. Good Housekeeping and Pollution Prevention for Municipal Operations

Annual Report

The permit requires an annual report be submitted to DCR each year by the locality. The purpose of the annual report is to discuss the BMPs listed in the Program Plan and to evaluate the effectiveness of that plan. The annual report covers the permit period from July 1 of a certain year to June 30 of the following year. The due date for submitting each annual report is October 1. The annual report is to be submitted to the following location:

Department of Conservation and Recreation
Division of Soil and Water Conservation
Stormwater Permitting
203 Governor Street, Suite 206
Richmond, VA 23219

Funding

Funding for the City's MS4 Program is provided by the City of Danville general funds. Danville currently does not have a stormwater utility fee.

Multiple Departmental Participation

Certain sections of this MS4 Program Plan require the cooperation of multiple departments in the City of Danville. A list of departments and a brief summary of their roles in the program are as follows:

Public Works: Administration of the Program Plan, updating the Program Plan, submission of the annual report, public education, illicit discharge detection, construction and post-construction stormwater management, stormwater webpage, department employee education, department facility and activity housekeeping measures.

Utilities (Power & Light and Water & Gas, Water and Wastewater Treatment): department employee education, department facility and activity housekeeping measures.

Parks and Recreation: department employee education, department facility and activity housekeeping measures.

Fire Department: department employee education, department facility housekeeping measures, spill control.

Schools: department employee education, department facility and activity housekeeping measures.

Navigating Through the Program Plan

The following Program Plan contains each of the six minimum measures. DCR's minimum criteria for each measure is listed followed by the BMPs and goals to meet the criteria. A list of BMPs for each minimum measure is also included in Section D for quick reference. The Appendix contains additional information pertinent to the Plan.

VSMP MS4 General Permit Fee and Key Dates Established By The Permit

- The permit fee is \$600. (paid 12/07)
- The effective date of this permit is July 9, 2008.
- The date by which the MS4 Program Plan modifications and new registration statement must be submitted is January 9, 2009.
- Required date by which this program plan must be updated to address Total Maximum Daily Loads (TMDLs) & Waste Load Allocations (WLAs) is January 10, 2010 (submitted as part of year 2 annual report if applicable).
- Required date by which adoption of any ordinance or legal authority necessary to implement TMDL WLA special condition is January 9, 2012 (if applicable).
- Required date to complete all site evaluations and runoff characterizations on property owned and operated by the MS4 operator in accordance to the permit requirements is January 9, 2013.
- The deadline to submit the new registration statement is April 9, 2013.
- The expiration date of this permit is July 9, 2013.

Section C

Contact List

City of Danville
VSMP MS4 General Permit Program Plan
Contact List

City Manager's Office

- M. Lyle Lacy, III - Interim City Manager
434.799.5100 lacym@ci.danville.va.us

Department of Public Works

- Richard Drazenovich – Director of Public Works
434.799.5245 drazenovich@ci.danville.va.us
- Kent Shelton – Assistant Director of Public Works / City Engineer
434.799.5019 sheltak@ci.danville.va.us
- Barry Doeber – Director of Administration
434.799.5245 doebba@ci.danville.va.us
- Karen Black – Public Works Chief Engineer
434.799.5019 blackka@ci.danville.va.us
- Brian Dunevant – Project Engineer
434.799.5019 dunevbl@ci.danville.va.us

Department of Utilities

- Joe King – Assistant City Manager for Utilities
434.797.8963 kingjc@ci.danville.va.us
- Jim Harr – Director of Water and Gas
434.799.5280 harrjs@ci.danville.va.us
- Ken Ashworth – Director of Power and Light
434.799.5270 ashwowl@ci.danville.va.us
- Barry Dunkley – Director of Water and Wastewater
434.799.6473 dunklbt@ci.danville.va.us
- Alan Johnson – Director of Water Treatment
434.799.6473 johnsra@ci.danville.va.us

Fire Department

- David Eagle – Fire Chief
434.799.5226 eagledr@ci.danville.va.us

Department of Parks and Recreation

- William Sgrinia – Director of Parks and Recreation
434.799.5200 sgrinia@ci.danville.va.us

Transportation Services

- Marc Adelman – Director of Transportation Services
434.799.5110 adelmmd@ci.danville.va.us

Danville Public Schools

- Leon Ramsey – Director of Maintenance and Operations
434.799.6481 lr Ramsey@mail.dps.k12.va.us

Section D

**Minimum Measures
and
Best Management Practices
(List)**

List of Minimum Measures and Best Management Practices (BMPs)

Minimum Measure #1: Public Education and Outreach on Storm Water Impacts

- BMP 1.1: Stormwater pollution prevention information
- BMP 1.2: Water conservation tips
- BMP 1.3: Pet Waste Management
- BMP 1.4: Priority on reducing impacts to listed impaired waters and other local water pollution concerns
- BMP 1.5: Increased City employees knowledge concerning illegal discharges
- BMP 1.6: Increased businesses knowledge concerning illegal discharges
- BMP 1.7: Increased general public knowledge concerning illegal discharges
- BMP 1.8: Encourage and assist with stream clean ups
- BMP 1.9: Target Audiences (Garden Clubs & Civic Groups)
- BMP 1.10: Outreach to Neighborhood Organizations
- BMP 1.11: Outreach to grade school students
- BMP 1.12: Enviroscope demonstration for elementary school students
- BMP 1.13: Targeted strategies towards local engineers and contractors
- BMP 1.14: Targeted strategies towards local lawn care providers

Minimum Measure #2: Public Involvement/Participation

- BMP 2.1: Promotion of availability of MS4 Program Plan
- BMP 2.2: Access to annual report
- BMP 2.3: Creeks, streams, and river cleanups
- BMP 2.4: Citizen reporting

Minimum Measure #3: Illicit Discharge Detection and Elimination

- BMP 3.1: Illicit Discharge Detection and Elimination (IDDE) program administration
- BMP 3.2: Outfall assessment
- BMP 3.2: Outfall assessment
- BMP 3.4: Finding and fixing illicit discharges
- BMP 3.5: Storm sewer mapping
- BMP 3.6: Sanitary sewer mapping
- BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance
- BMP 3.8: Commercial car washes
- BMP 3.9: Illegal dumping / accumulated waste ordinance
- BMP 3.10: Septic system not allowed in lieu of sanitary connection
- BMP 3.11: Reduce potential for sanitary sewer overflows
- BMP 3.12: Inoperative Vehicles
- BMP 3.13: Hazardous Materials Response Team
- BMP 3.14: Establish a tracking and reporting system for illicit discharges
- BMP 3.15: Notification of downstream-regulated MS4

Minimum Measure #4: Construction Site Stormwater Runoff Control

- BMP 4.1: Erosion and Sediment Control Ordinance
- BMP 4.2: Erosion and Sediment Control Ordinance
- BMP 4.3: Encouraging designs that replicate predevelopment runoff characteristics and site hydrology
- BMP 4.4: Requirement to secure VSMP prior to issuance of the Land Disturbance Permit
- BMP 4.5: Procedural Flow Chart (construction)
- BMP 4.6: Certified plan reviewers, inspectors and program administrators
- BMP 4.7: Responsible Land Disturber (RLD) required
- BMP 4.8: Land Disturbance Permit information
- BMP 4.9: Alternative Inspection Program (AIP)

Minimum Measure #5: Post-Construction Stormwater Management in New Development/Redevelopment

- BMP 5.1: Required compliance with the VSMP permit
- BMP 5.2: Strategies for post-construction stormwater BMPs
- BMP 5.3: Encouraging designs that replicate predevelopment runoff characteristics and site hydrology
- BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance
- BMP 5.5: Requirement to secure VSMP Construction Permit prior to issuance of the Land Disturbance Permit
- BMP 5.6: Permanent post construction BMP Maintenance Agreement

BMP 5.7: Draft new regulations requiring inspection schedule from owners
BMP 5.8: Draft new ordinance or modify existing maintenance agreement for enforcement of maintenance
BMP 5.9: Draft new ordinance for site inspection and enforcement measures for post-construction stormwater BMPs
BMP 5.10: Tracking of all known permanent stormwater management facilities

Minimum Measure #6: Pollution Prevention/Good Housekeeping for Municipal Operations

BMP 6.1: O&M procedures for municipal facilities, operations, and activities for stormwater pollution prevention
BMP 6.2: Municipal services that reduce stormwater pollution
BMP 6.3: Municipal operations to reduce stormwater pollution
BMP 6.4: Elimination of illicit discharges from municipal facilities to the maximum extent practicable
BMP 6.5: Proper disposal of waste materials from municipal operations
BMP 6.6: Protection of soluble or erodible materials from exposure to precipitation
BMP 6.7: Application of materials in accordance with manufacturer's recommendation or other recommendations

Section E

**Minimum Measures
and
Best Management Practices
(Expanded)**

Public Education and Outreach on Stormwater Impacts

Public Education and Outreach on Storm Water Impacts

Implement a public education program to distribute educational materials to the community, or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that can be taken to reduce pollutants in stormwater runoff. The department recommends that the operator review the EPA publication entitled "Getting in Step: A Guide for Conducting Watershed Outreach Campaigns," publication number EPA 841-B-03-002, for guidance in developing a public education program.

The operator shall identify, schedule, implement, evaluate and modify, as necessary, BMPs to meet the following public education and outreach goals:

- a. Increased individual and household knowledge about the steps that they can take to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns.

BMP 1.1: Stormwater pollution prevention information

Existing: Fliers, PSA

Responsibility for Implementation: Public Works

BMP Objective: To provide comprehensive information to the citizens of Danville

Expected Results: Increased knowledge by citizens concerning stormwater pollution

Implementation Schedule: before June 30, 2009 (new PSA-before June 30, 2011)

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- An article will be published at least once annually in a local publication concerning residential stormwater pollution and how it can be reduced or prevented.
- Literature will be placed at various locations around the City concerning residential stormwater pollution and how it can be reduced or prevented.
- The City's website will be modified to include tips for residential stormwater pollution prevention.

-
- Information will be posted on the City TV-20 bulletin board about household stormwater pollution prevention.
 - Information will be presented in the form of a Public Service Announcement (PSA) on City TV-20, Comcast Spotlight, and/or local radio.

BMP 1.2: Water conservation tips

Existing: flier

Responsibility for Implementation: Public Works

BMP Objective: Education of the general public about the benefits of water conservation

Expected Results: Greater public knowledge of the benefits of water conservation practices

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- The City's website will be modified to include tips for water conservation.

BMP 1.3: Pet Waste Management

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning impacts of pet waste on stormwater pollution

Expected Results: Increased public knowledge and modified behavior

Implementation Schedule: Before June 30, 2009 (Ordinance will be submitted to council by June 30, 2011)

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

-
- Literature will be placed at various locations around the City concerning the importance of pet waste management.
 - Information will be posted on the City's website concerning the importance of pet waste management.
 - Information will be posted on the City TV-20 bulletin board about the importance of pet waste management.
 - A pet waste ordinance concerning pet waste pick-up on public property will be submitted to City Council for consideration.

BMP 1.4: Priority on reducing impacts to listed impaired waters and other local water pollution concerns

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning impaired waters in the City of Danville

Expected Results: Increased public knowledge of impaired waters in Danville

Implementation Schedule: Before June 30, 2009

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- A list of impaired waters in the City as defined by the Department of Environmental Quality (DEQ) will be listed on the City's website.
 - Any other water pollution concerns will be also be listed on the City's website.
 - A reduction of impacts on these waters will be emphasized.
- b. Increased public employee, business, and general public knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

BMP 1.5: Increased City employee knowledge concerning illegal discharges

Existing: none

Responsibility for Implementation: All departments

BMP Objective: Education of City employees concerning illegal discharges

Expected Results: Increased City employee knowledge of the hazards of illegal discharges

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- Information will be distributed annually to City employees concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

BMP 1.6: Increased businesses knowledge concerning illegal discharges

Existing: Fliers

Responsibility for Implementation: Public Works

BMP Objective: Education of certain businesses concerning illegal discharges

Expected Results: Increased business knowledge and modified behavior

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- Information will be distributed annually to certain select businesses concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.
- Information will be listed on the City's website concerning hazards associated with illegal discharges and improper disposal of waste.

BMP 1.7: Increased general public knowledge concerning illegal discharges

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning illegal discharges

Expected Results: Increased public knowledge and modified behavior

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- Information will be placed at various locations around the City concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications. This information may also contain other stormwater pollution information.
 - Information will be posted on the City's website concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.
 - Information will be posted on the City-TV20 bulletin board concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.
- c. Increased individual and group involvement in local water quality improvement initiatives including the promotion of local restoration and cleanup projects, programs, groups, meetings and other opportunities for public involvement.

BMP 1.8: Encourage and assist with stream clean ups

Existing: Parks and Recreation and The Danville Science Center sponsor a river cleanup day annually

Responsibility for Implementation: Parks and Recreation, The Danville Science Center and Public Works

BMP Objective: To promote public involvement in removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about pollution

Implementation Schedule: Website and fliers (or other informational bulletins) – before June 30, 2009.

Evaluation of Effectiveness: Effectiveness will be based on interest and attendance

Measurable Goals:

- Local groups will be encouraged and assisted by the City to have waterway cleanup days each year.
- Stream clean ups will be promoted using fliers (or other informational bulletins), the City's website, and/or the City-TV20 bulletin board.
- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.
- Danville Parks and Recreation will sponsor one waterway cleanup day each year.

- d. Diverse strategies to target audiences specific to the area serviced by the regulated small MS4.

BMP 1.9: Target Audiences (Garden Clubs & Civic Groups)

Existing: City horticulturalist speaks at a local garden club or civic group meeting

Responsibility for Implementation: Public Works

BMP Objective: Educate specific audiences about stormwater pollution and proper lawn care practices

Expected Results: Greater understanding of the target audience of stormwater pollution

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: Response to information presented

Measurable Goals:

-
- The City will have a designated speaker at a local garden club and/or local civic group meeting at least once annually to discuss stormwater pollution prevention and good lawncare practices. Informational handouts will also be offered at each engagement.
- e. Improved outreach program to address viewpoints and concerns of target audiences with a recommended focus on minorities, disadvantaged audiences and minors.

BMP 1.10: Outreach to Neighborhood Organizations

Existing: None

Responsibility for Implementation: Public Works / Housing and Development

BMP Objective: Educate specific audience about stormwater pollution

Expected Results: Greater understanding by the target audience of stormwater pollution

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Response to information presented

Measurable Goals:

- The City will distribute stormwater pollution prevention information to the president or contact person for the nine local neighborhood organizations.

BMP 1.11: Outreach to grade school students

Existing: none

Responsibility for Implementation: Public Works / Parks and Recreation

BMP Objective: Educate grade school students about stormwater pollution

Expected Results: Greater understanding of the target audience of stormwater pollution

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Response to information presented

Measurable Goals:

- The City will distribute stormwater pollution prevention information to participating grade schools.
- All participating schools will be listed and the number of materials distributed will be tracked.

BMP 1.12: Enviroscope demonstration for elementary school students

Existing: Enviroscope model

Responsibility for Implementation: Parks and Recreation

BMP Objective: Educate elementary school children about stormwater pollution and its effects on the environment

Expected Results: Greater understanding by elementary school children about stormwater pollution and its effects on the environment

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Response to information presented

Measurable Goals:

- The City will make efforts to contact local elementary schools about making presentations with the enviroscope model.
- Any presentations made will be documented.

- f. Targeted strategies towards local groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts.

BMP 1.13: Targeted strategies towards local engineers and contractors

Existing: Periodic meetings with local engineers and contractors

Responsibility for Implementation: Public Works

BMP Objective: Educate local engineers and developers about changing stormwater regulations or requirements

Expected Results: Better stormwater management plans and better construction site control

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Response to information presented

Measurable Goals:

- The City will hold at least one information session every 24 months for local contractors and developers to discuss erosion and sediment control requirements and stormwater management requirements including the VSMP construction permit. The City will document the date of any meetings, attendance, and any suggestions that were made to the City during or as a result of the meeting.
- The City will hold at least one information session every 24 months for local engineering firms to discuss any changes in the erosion and sediment control requirements and any changes to the stormwater management requirements including the VSMP construction permit. The City will document the date of any meetings, attendance, and any suggestions that were made to the City during or as a result of the meeting.

BMP 1.14: Targeted strategies towards local lawn care providers

Existing: Form letter

Responsibility for Implementation: Public Works

BMP Objective: Educate local lawn care providers about how they can help reduce stormwater pollution

Expected Results: Less water quality impacts from commercial lawn care operations

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Response to information presented

Measurable Goals:

- Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the City at least once every 12 months.
- Information will be posted on the City's website and the City-TV20 bulletin board.

Public Involvement/Participation

Public Involvement/Participation

The operator shall comply with applicable state, tribal, and local public notice requirements and identify, schedule, implement, evaluate and modify, as necessary, BMPs to meet the following public involvement/participation measurable goals:

- a. Promote the availability of the operator's MS4 Program Plan and any modifications for public review and comment. Public notice shall be given by any method reasonably calculated to give actual notice of the action in question to the persons potentially affected by it, including press releases or any forum or medium to elicit public participation. Provide access to or copies of the MS4 Program Plan or any modifications upon request of interested parties in compliance with all applicable freedom of information regulations.

BMP 2.1: Promotion of availability of MS4 Program Plan

Existing: Access to the Program Plan is available under FOIA

Responsibility for Implementation: Public Works

BMP Objective: To provide public access to the MS4 Program Plan

Expected Results: More public knowledge, interest, and comments concerning the MS4 Program Plan

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Measured by interest expressed in the annual report

Measurable Goals

- The City will promote the availability of the MS4 Program Plan and any modifications to the approved Plan or any ordinance modifications associated with the Plan for public review and comment using a press release.
- Copies of the MS4 Program Plan will be made available to any interested parties upon request. The contents of the MS4 Program Plan will also be made available on the City's website.
- The City will document and consider all comments received from the public concerning the Program Plan.

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- b. Provide access to or copies of the annual report upon request of interested parties in compliance with all applicable freedom of information regulations.

BMP 2.2: Access to annual report

Existing: Access to the annual reports are available under FOIA

Responsibility for Implementation: Public Works

BMP Objective: To provide public access to the annual report

Expected Results: More public knowledge, interest, and comments concerning the MS4 annual reports

Implementation Schedule: before October 1, 2009

Evaluation of Effectiveness: Measured by interest expressed in the annual report

Measurable Goals:

- Copies of each annual report will be made available to any interested parties upon request beginning with the report due in October of 2009. Each annual report will also be made available on the City's website once the annual report is completed.
- The City will document and consider all comments received from the public concerning the annual reports.

- c. Participate, through promotion, sponsorship, or other involvement, in local activities aimed at increasing public participation to reduce stormwater pollutant loads and improve water quality.

BMP 2.3: Creeks, streams, and river cleanups

Existing: Parks and Recreation sponsors a river cleanup day annually

Responsibility for Implementation: Parks and Recreation

BMP Objective: To promote public involvement in removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about pollution

Implementation Schedule: Website and fliers (or other informational bulletins) – before June 30, 2009.

Evaluation of Effectiveness: Effectiveness of the campaign will be based on interest and attendance.

Measurable Goals:

- Local groups will be encouraged and assisted by the City to have waterway cleanup days each year.
- Stream clean ups will be promoted using fliers (or other informational bulletins), the City's website, and/or the City-TV20 bulletin board.
- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.
- Parks and Recreation will sponsor one waterway cleanup day each year.

BMP 2.4: Citizen reporting

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Specify how citizens can contact the City with stormwater pollution concerns

Expected Results: More organized public reporting about stormwater pollution concerns or complaints

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Effectiveness will be based on number of calls and emails received during the first 18 months of implementation

Measurable Goals:

- The City will establish a publicized phone number for the purpose of reporting illicit discharges or other stormwater concerns from citizens.
- The City will establish an email address for the purpose of reporting illicit discharges or other stormwater pollution concerns from citizens.

Illicit Discharge Detection and Elimination

Illicit Discharge Detection and Elimination

The MS4 Program shall:

- a. Develop, implement and enforce a program to detect and eliminate illicit discharges, as defined at 4VAC50-60-10, into the regulated small MS4. The department recommends that the operator review the publication entitled "Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments," EPA cooperative number X-82907801-0, for guidance in implementing and evaluating its illicit discharge detection and elimination program.

BMP 3.1: Illicit Discharge Detection and Elimination (IDDE) program administration

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To provide foundation, guidance and direction for an IDDE Program

Expected Results: Foundation, guidance and direction for the IDDE Program

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: The effectiveness of the program administration will be evaluated annually once established

Measurable Goals:

- An audit of existing capabilities and needs will be performed.
- One program head and key support staff will be identified.
- The illicit discharge ordinance will be reviewed annually and modified as necessary.
- A tracking and reporting system will be established.

BMP 3.2: Outfall assessment

Existing: Storm sewer maintenance crews

Responsibility for Implementation: Public Works

BMP Objective: To assess outfalls to determine if an illicit discharge has occurred or is occurring

Expected Results: Location of apparent illicit discharges

Implementation Schedule: Before January 9, 2013

Evaluation of Effectiveness: TBD

Measurable Goals:

- Drainage area will be defined and categorized.
- All major outfalls will be examined.
- Outfalls that have had apparent illicit discharges will be traced.
- Outfall condition will be documented.

BMP 3.3: Preventing illicit discharges

Existing: flier

Responsibility for Implementation: Public Works

BMP Objective: To prevent known illicit discharges by citizens or businesses

Expected Results: Greater awareness of illicit discharges

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Illicit discharge incidents over the next 5 years

Measurable Goals:

- Information will be placed at various locations around the City concerning illicit discharges.
- Illicit discharge information will be posted on the City's website and the City TV-20 bulletin board.

BMP 3.4: Finding and fixing illicit discharges

Existing: Storm sewer maintenance crews

Responsibility for Implementation: Public Works

BMP Objective: Locate and correct apparent illicit discharges

Expected Results: Eradication of apparent illicit discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: TBD

Measurable Goals:

- All obvious illicit discharges will be removed.
- Staff will be trained on techniques to find the source of illicit discharges.
- Correct illicit discharges identified through field screenings or citizen complaints.

- b. Develop, if not already completed, and maintain, an updated storm sewer system map, showing the location of all known outfalls of the regulated small MS4 including those physically interconnected to a regulated MS4, the associated surface waters and HUCs, and the names and locations of all impaired surface waters that receive discharges from those outfalls. The operator shall also estimate the acreage within the regulated small MS4 discharging to each HUC and impaired water.

BMP 3.5: Storm sewer mapping

Existing: Storm sewer mapping in progress

Responsibility for Implementation: Public Works

BMP Objective: To be able to locate and easily identify all storm sewer system lines and structures in the right-of-way

Expected Results: Quick location of storm sewer pipes and structures in case of emergency or illicit discharges

Implementation Schedule: currently being developed

Evaluation of Effectiveness: Accuracy of mapping

Measurable Goals:

- The storm sewer system mapping is in progress and is approximately 60 % complete.

BMP 3.6: Sanitary sewer mapping

Existing: Sanitary sewer map

Responsibility for Implementation: Public Works

BMP Objective: To be able to locate and easily identify all sanitary sewer system lines and manholes

Expected Results: Quick location of manholes and sewer lines in case of emergency

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Accuracy of mapping

Measurable Goals:

- The sanitary sewer system has been inventoried and mapped. The system includes over 8,700 sanitary sewer manholes and over 9,500 sanitary sewer lines. This map is updated as new lines or manholes are installed.

- c. To the extent allowable under state, tribal or local law or other regulatory mechanism, effectively prohibit, through ordinance, or other regulatory mechanism, non-stormwater discharges into the storm sewer system and implement appropriate enforcement procedures and actions. The following categories of non-stormwater discharges or flows (i.e. illicit discharges) must be addressed only if they are identified by the operator, the State Water Control Board, or by the board as significant contributors of pollutants to the regulated small MS4: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, street wash water, discharges or flows from fire fighting activities, and flows that have been identified in writing by the Department of Environmental Quality as de minimis discharges that are not significant sources of pollutants to state waters and not requiring a VPDES permit.

BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance

Existing: Ordinance (Chapter 9 / Article 5 / Division 7)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges and provide enforcement procedures for violations

Expected Results: Legal framework to prohibit illicit discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: The ordinance will be reviewed annually and updated as necessary.

Measurable Goals:

- This ordinance prohibits non-stormwater discharges into the storm sewer system. This ordinance also outlines actions that the City can take to correct a non-stormwater discharge as well as penalties that could be imposed.

- d. Develop and implement procedures to detect and address non-stormwater discharges, including illegal dumping, to the small-regulated MS4.

BMP 3.8: Commercial car washes

Existing: Flier, ordinance (Section 9-179.24)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges from commercial car washes

Expected Results: Elimination of commercial car wash illicit discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Elimination of illicit discharges from commercial car washes

Measurable Goals:

- All listed commercial car washes in the City of Danville will be inspected to determine their method of discharge.
- Any car wash not discharging wash waters properly (discharging directly to surface waters without a VPDES Permit) will be notified about the violation and given a reasonable time to correct before enforcement actions begin.

-
- All inspections and violations will be documented.
 - Any potential new car washes must get zoning approval, which includes an evaluation of the method of wastewater discharge.

BMP 3.9: Illegal dumping / accumulated waste ordinance

Existing: Ordinance (Chapter 17), two code enforcement inspectors

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges and provide enforcement procedures for violations

Expected Results: Reduction of accumulated waste and illegal dumping

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This ordinance will be reviewed annually and updated as necessary

Measurable Goals:

- Any illegal dumps that are discovered are removed. All illegal dump cases will be documented. Two code inspectors enforce this ordinance.
- Signs are placed in areas susceptible to illegal dumping.
- All accumulated waste cases will be documented.

BMP 3.10: Septic system not allowed in lieu of sanitary connection

Existing: Ordinance (Section 34-7)

Responsibility for Implementation: Community Development (Inspections)

BMP Objective: To prohibit use of new septic where sanitary sewer is available

Expected Results: less infiltration of wastewater from septic systems into the environment

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This BMP is effective in not allowing new septic systems

Measurable Goals:

- The City code does not allow the repair of existing septic systems or the installation of new septic systems in areas that are served by the sanitary sewer system or where sanitary sewer is within 300 ft of the property line.
- Any new septic systems that are allowed to be installed or any septic systems that are repaired must be inspected by the Pittsylvania County Department of Health.

BMP 3.11: Reduce potential for sanitary sewer overflows

Existing: Policy, ordinance, sanitary sewer maintenance crews, flushers, cameras, other equipment

Responsibility for Implementation: Public Works

BMP Objective: To reduce the risk of sanitary sewer overflows

Expected Results: Reduced potential of sanitary sewer overflows

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Number of overflows each year

Measurable Goals:

- The City of Danville maintains over 330 miles of sanitary sewer lines. All sanitary sewers are routinely flushed and checked to make sure they are flowing freely at least once every two years.
- Sanitary sewer lining and reconstruction projects are done each year.
- Lockdown waterproof tops are now required on all new sanitary sewer manholes.
- The City Ordinance prohibits stormwater connections to the sanitary sewer system unless the Control Authority grants permission in writing.
- All sanitary sewer overflows are documented and reported to the Department of Environmental Quality. The cause if the overflow is determined and recorded.

BMP 3.12: Inoperative Vehicles

Existing: Ordinance (Chapter 21)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges from inoperative vehicles

Expected Results: Fewer inoperative vehicles exposed to the environment

Implementation Schedule: currently implemented

Evaluation of Effectiveness: This ordinance will be reviewed annually and updated as necessary

Measurable Goals:

- Any inoperative vehicle that is not meeting the requirements of the aforementioned code chapter shall be impounded.
- e. Prevent or minimize to the maximum extent practicable, the discharge of hazardous substances or oil in the stormwater discharge(s) from the regulated small MS4. In addition, the MS4 Program must be reviewed to identify measures to prevent the recurrence of such releases and to respond to such releases, and the program must be modified where appropriate. This permit does not relieve the operator or the responsible part(ies) of any reporting requirements of 40 CFR Part 110 (2001), 40 CFR Part 117 (2001) and 40 CFR Part 302 (2001) or §62.1-44.34:19 of the Code of Virginia.

BMP 3.13: Hazardous Materials Response Team

Existing: Hazardous Materials Response Team

Responsibility for Implementation: Fire Department

BMP Objective: To control hazardous discharges in an offensive manner

Expected Results: The control of hazardous discharges

Implementation Schedule: currently implemented

Evaluation of Effectiveness: The Haz-Mat Team is very effective in control hazardous discharges

Measurable Goals:

- The Hazardous Materials Response Team is trained and equipped to work in hazardous environments in an offensive manner to stop the flow of hazardous materials.
- The Department of Environmental Quality is notified when the Haz-Mat team responds to the discharge of hazardous substances.
- All incidents that the Haz-Mat team responds to are documented.

- f. Track the number of illicit discharges identified, provide narrative on how they were controlled or eliminated, and submit the information in accordance with Section II E 3.

BMP 3.14: Establish a tracking and reporting system for illicit discharges

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To better organize reported or discovered illicit discharges

Expected Results: Better organization of reported or discovered illicit discharges

Implementation Schedule: Before June 30, 2010

Evaluation of Effectiveness: TBD

Measurable Goals:

- A tracking and reporting system will be established. Information will be submitted in accordance with Section II E 3.

- g. Notify, in writing, any downstream-regulated MS4 to which the small regulated MS4 is physically interconnected of the small-regulated MS4's connection to that system.

BMP 3.15: Notification of downstream-regulated MS4

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To notify any downstream MS4

Expected Results: Notification of downstream MS4

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: n/a

Measurable Goals:

- Danville Community College, which is a regulated small MS4 that receives discharge from the Danville MS4, will be notified in writing.
- The Virginia Department of Transportation, which is a regulated MS4 that receives discharge from the Danville MS4, will be notified in writing.

Construction Site Stormwater Runoff Control

Construction Site Stormwater Runoff Control

- a. The operator shall develop, implement, and enforce procedures to reduce pollutants in any stormwater runoff to the regulated small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Additionally, reduction of storm water discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

The procedures must include the development and implementation of, at a minimum:

- (1) An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance with the Erosion and Sediment Control Law and attendant regulations, to the extent allowable under state, tribal, or local law. Such ordinances shall be updated as necessary.

BMP 4.1: Erosion and Sediment Control Ordinance (compliance)

Existing: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Establish requirements for erosion and sediment controls and establish penalties for non-compliance

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The ordinance will be evaluated annually and updated as necessary

Measurable Goals:

- Danville's Erosion and Sediment Control ordinance requires that erosion and sediment controls be implemented for applicable projects greater than 5,000 sf of disturbance.
- This ordinance has sanctions to ensure compliance.

-
- (2) Requirements for construction site owners and operators to implement appropriate erosion and sediment control best management practices as part of an erosion and sediment control plan that is consistent with the Erosion and Sediment Control Law and attendant regulations and other applicable requirements of state, tribal, or local law. Where determined appropriate by the operator, the operator shall encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology.

BMP 4.2: Erosion and Sediment Control Ordinance (implementation of ESC BMPs)

Existing: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Establish requirements for erosion and sediment controls and establish penalties for non-compliance

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The ordinance will be evaluated annually and updated as necessary

Measurable Goals:

- The Erosion and Sediment Control Ordinance requires implementation of appropriate erosion and sediment control best management practices as part of an erosion and sediment control plan that is consistent with the Erosion and Sediment Control Law and attendant regulations and other applicable requirements of state, tribal, or local law.

BMP 4.3: Encouraging designs that replicate predevelopment runoff characteristics and site hydrology

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of Low Impact Development

Expected Results: Consideration of Low Impact Development

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Annual evaluation to determine if LID is being considered or utilized consistently

Measurable Goals:

- The City will encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via literature and a stormwater webpage.

- (3) Requirements for construction site owners and operators to secure authorization to discharge stormwater from construction activities under a VSMP permit for construction activities that result in a land disturbance greater than or equal to one acre. Additionally, stormwater discharges from construction activity disturbing less than one acre must secure authorization to discharge under a VSMP permit if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

BMP 4.4: Requirement to secure VSMP prior to issuance of the Land Disturbance Permit

Existing: Erosion and Sediment Control Ordinance (VSMP requirement)

Responsibility for Implementation: Public Works

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

- The City of Danville's Erosion and Sediment Control ordinance requires that the VSMP permit be obtained for

applicable projects as a prerequisite to the issuance of the Land Disturbance Permit.

- (4) Procedures for receipt and consideration of information submitted by the public.

BMP 4.5: Procedural Flow Chart (construction)

Existing: Flow Chart

Responsibility for Implementation: Public Works

BMP Objective: To establish procedures to consider information submitted by the public concerning land-disturbing projects.

Expected Results: Consistent evaluation of submitted information

Implementation Schedule: before June 30, 2009

Evaluation of Effectiveness: Annual review of this BMP to determine if information is being considered consistently

Measurable Goals:

- The flow chart in the appendix shows the procedures for receipt and consideration of information submitted by the public concerning land disturbing projects.

- (5) Procedures for site inspection and enforcement of control measures.

- (a) The operator shall ensure that plan reviewers, inspectors, program administrators, and construction site owners and operators obtain the appropriate certifications as required under the Erosion and Sediment Control Law.

BMP 4.6: Certified plan reviewers, inspectors and program administrators

Existing: Certification for plan reviewers, inspectors, and program administrators

Responsibility for Implementation: Public Works

BMP Objective: Certifications for personnel as required under Erosion and Sediment Control Law

Expected Results: Compliance for certifications

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

- All plan reviewers, inspectors and program administrators for the City of Danville must be certified by the Department of Conservation and Recreation as required by the Erosion and Sediment Control Law.
- A list of all certified personnel is included in the Appendix.

BMP 4.7: Responsible Land Disturber (RLD) required

Existing: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To make sure all applicable regulated land disturbing activities have an RLD listed

Expected Results: Compliance with the ESC regulations

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

- All applicable projects are required to have a certified Responsible Land Disturber associated with the project as required under the Erosion and Sediment Control Law.
- (b) The operator shall track regulated land-disturbing activities and submit the following information in accordance with Section II E 3: total number of regulated land disturbing activities and total disturbed acreage.

BMP 4.8: Land Disturbance Permit information

Existing: Erosion and Sediment Control Log

Responsibility for Implementation: Public Works

BMP Objective: To track information related to regulated land disturbing activities

Expected Results: Organization of Land Disturbance Permit information

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

- All Land Disturbance permits issued will be tracked monthly.
- The disturbed area for each permit will be tracked.
- Information will be submitted with each annual report.

BMP 4.9: Alternative Inspection Program (AIP)

Existing: DCR approved AIP

Responsibility for Implementation: Public Works

BMP Objective: To place emphasis on Land Disturbing projects that are larger or more complex

Expected Results: Better use of resources for inspecting permitted land-disturbing projects

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: Annual evaluation to determine if project with less inspections are having more incidents of violation

Measurable Goals:

- The City will continue to implement the DCR approved AIP.

**Post-Construction
Stormwater Management
in
New Development / Redevelopment**

Post-Construction Stormwater Management in New Development/Redevelopment

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- a. The operator shall develop, implement, and enforce procedures to address stormwater runoff to the regulated small MS4 from new development and redevelopment projects that disturb greater than or equal to one acre including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the regulated small MS4. The procedures must ensure that controls are in place that would prevent or minimize water quality and quantity impacts in accordance with this section.

BMP 5.1: Required compliance with the VSMP permit

Existing: Urban Stormwater Quality Discharge Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To require appropriate post-construction stormwater BMPs

Expected Results: Reduced post-construction water quality impacts for applicable projects

Implementation Schedule: currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

- The City requires compliance with the water quality and water quantity portion of the VSMP permit for applicable projects.
- Applicable projects are not approved until water quality requirements are met.

- b. The operator shall:

- (1) Develop and implement strategies which include a combination of structural and/or non-structural best management practices (BMPs) appropriate for the operator's community. Where determined appropriate by the operator, the operator shall encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or

replicating predevelopment runoff characteristics and site hydrology.

BMP 5.2: Strategies for post-construction stormwater BMPs

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: To encourage owners and developers to consider alternative designs for post construction BMPs

Expected Results: Greater awareness by owners and developers concerning structural and non-structural post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals:

- The City will encourage the use of structural and nonstructural BMPs appropriate for Danville via literature and the City's website.

BMP 5.3: Encouraging designs that replicate predevelopment runoff characteristics and site hydrology

Existing: none

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of Low Impact Development

Expected Results: Consideration of Low Impact Development

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: Annual evaluation to determine if LID is being considered or utilized consistently

Measurable Goals:

- The City will encourage the use of structural and nonstructural design techniques to create a design that

has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via literature and a stormwater webpage.

- (2) Use an ordinance, regulation, or other mechanism to address post-construction runoff from new development and redevelopment projects to ensure compliance with the Virginia Stormwater Management Act (§10.1-603.1 et seq. of the Code of Virginia) and attendant regulations, and to the extent allowable under state, tribal, or local law. Such ordinances and other mechanisms shall be updated as necessary.

BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance

Existing: Urban Stormwater Quality Discharge Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Reduction of post construction stormwater pollutants

Expected Results: Reduction of post construction stormwater pollutants

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The ordinance will be reviewed annually and updated as necessary

Measurable Goals:

- The Urban Stormwater Quality Discharge Control Ordinance requires the control and reduction of stormwater pollutants for new development and redevelopment projects. The ordinance also requires compliance with the construction NPDES permit. (§9-179.27, §9-179.28)
- This ordinance will be reviewed annually and updated as necessary.

- (3) Require construction site owners and operators to secure authorization to discharge stormwater from construction activities under a VSMP permit for new development and redevelopment projects that result in a land disturbance greater than or equal to one acre. Additionally, stormwater discharges

from construction activity disturbing less than one acre must secure authorization to discharge under a VSMP permit if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

BMP 5.5: Requirement to secure VSMP Construction Permit prior to issuance of the Land Disturbance Permit

Existing: Erosion and Sediment Control Ordinance (VSMP requirement)

Responsibility for Implementation: Public Works

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

- The City of Danville's Erosion and Sediment Control ordinance requires that a copy of the registration statement for the VPDES construction permit be submitted to the City for applicable projects as a prerequisite to the issuance of the Land Disturbance Permit. (§13-26)

- (4) Require adequate long-term operation and maintenance by the owner of structural stormwater management facilities through requiring the owner to develop a recorded inspection schedule and maintenance agreement to the extent allowable under state, tribal or local law or other legal mechanism. The operator shall additionally develop, through the maintenance agreement or other method, a mechanism for enforcement of maintenance responsibilities by the operator if they are neglected by the owner.

BMP 5.6: Permanent post construction BMP Maintenance Agreement

Existing: BMP Maintenance Agreement

Responsibility for Implementation: Public Works

BMP Objective: Require owners to commit to maintaining post construction stormwater BMPs

Expected Results: Regular maintenance of post construction stormwater BMPs

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: The maintenance agreement will be evaluated annually and updated as necessary

Measurable Goals:

- The City requires that a maintenance agreement be executed for all permanent post-construction BMPs prior to plan approval.

BMP 5.7: Draft new regulations requiring inspection schedule from owners

Existing: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: Better maintenance of post construction BMPs

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals:

- New regulations will be drafted to require owners to develop a recorded inspection schedule for all proposed permanent post construction stormwater BMPs.

BMP 5.8: Draft new ordinance or modify existing maintenance agreement for enforcement of maintenance responsibilities by the owner

Existing: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals:

- An ordinance will be drafted and/or the existing maintenance agreement modified to insert a mechanism for enforcement of maintenance responsibilities by the owner if the BMP fails to be maintained as required.

- (5) Conduct site inspection and enforcement measures consistent with the Virginia Stormwater Management Act and attendant regulations.

BMP 5.9: Draft new ordinance for site inspection and enforcement measures for post-construction stormwater BMPs

Existing: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: before June 30, 2011

Evaluation of Effectiveness: TBD

Measurable Goals:

- An ordinance will be drafted to address site inspection and enforcement measures for post-construction stormwater BMPs. The ordinance will be consistent with the Virginia Stormwater Management Act, 4VAC50-60-

150 of the VSMP Permit Regulations, and other attendant regulations.

- (6) Track all known permanent stormwater management facilities that discharge to the regulated small MS4 and submit the following information in accordance with Section II E 3:
- (a) Type of structural stormwater management facility installed as defined in the Virginia Stormwater Management Handbook.
 - (b) Geographic location (HUC).
 - (c) Where applicable, the impaired surface water that the stormwater management facility is discharging into.
 - (d) Number of acres treated.

BMP 5.10: Tracking of all known permanent stormwater management facilities

Existing: GIS Stormwater BMP layer

Responsibility for Implementation: Public Works

BMP Objective: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Expected Results: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: TBD

Measurable Goals:

- All known permanent stormwater management facilities within the City will be tracked. For each facility, the following information will be documented: type of structural stormwater management facility, geographic location (HUC), the impaired surface water that the stormwater management facility is discharging into (if applicable), and the number of acres treated.

**Pollution Prevention /
Good Housekeeping
for
Municipal Operations**

Pollution Prevention/Good Housekeeping for Municipal Operations

Develop and implement an operation and maintenance program consistent with the MS4 Program Plan that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. Using training materials including those available from EPA, state, tribe, or other organizations, the program shall include employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and MS4 maintenance. The operator is encouraged to review the EPA's National Menu of Stormwater Best Management Practices for ideas and strategies to incorporate into its program. The menu can be accessed at <http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>.

The operator shall identify, schedule, implement, evaluate and modify, as necessary, BMPs to meet the following pollution prevention/good housekeeping for municipal operations measurable goals:

- a. Operation and maintenance programs including activities, schedules, and inspection procedures shall include provisions and controls to reduce pollutant discharges into the regulated small MS4 and receiving surface waters.

BMP 6.1: Operation and maintenance procedures for municipal facilities, operations, and activities for stormwater pollution prevention

Existing: none

Responsibility for Implementation: Each listed department

BMP Objective: To provide a comprehensive operation and maintenance for each listed Department for the facilities and certain operations

Expected Results: Organized procedures for each department to minimize or prevent stormwater pollution

Implementation Schedule: before June 30, 2010

Evaluation of Effectiveness: Inspections

Measurable Goals:

-
- Operation and maintenance procedures to address stormwater pollution will be developed for each of the following departments for the facilities or operations that they manage.
 1. Public Works Department: Public Works Complex, Greenhouse, Compost Facility, Municipal Building, Library, Social Services, Finance Center, Snow removal, street repair and maintenance, construction, vehicle maintenance, street sweeping, right of way landscaping, Taylor Drive Facility, Courthouse, closed landfill
 2. Parks and Recreation Department: City Parks and Playgrounds, River Walk Trail, Recreation Centers, Carrington Pavilion, Community Market, Farmer's Market
 3. Transportation Services: Airport, Mass Transit
 4. Fire Department: Fire Stations, Fire Training Center
 5. Utilities Department: Utilities Complex, Power and Light Facilities, Water Treatment Plant, Wastewater Treatment Plant, Construction
 6. Danville Public Schools: Schools, maintenance building
 - Each O&M Plan will include the following:
 1. Location map of the facilities each department manages with an emphasis on the "hotspot" facilities.
 2. Material storage locations.
 3. List of operations or activities that each department performs that may contribute to stormwater pollution and how that pollution can be prevented.
 4. Housekeeping procedures.

BMP 6.2: Municipal services that reduce stormwater pollution

Existing: Policies

Responsibility for Implementation: Public Works

BMP Objective: To provide services to remove and properly dispose of waste

Expected Results: Less stormwater pollution from listed items

Implementation Schedule: currently implemented

Evaluation of Effectiveness: cleanliness of the City

Measurable Goals:

- Dead animal pickup – Public Works removes and disposes of dead animals from the right of way including deceased pets.
- Recycling – The City has three recycling centers. Public Works is responsible for emptying containers from the recycling centers to a warehouse in South Boston. Since 1992, the City of Danville has met the Virginia State mandated 25% recycling rate each year.
- Yard Waste Collection – The Yard Waste Section of the Sanitation Division is responsible for collecting yard waste debris from 19,000 homes per week. 7,500 tons of yard waste is collected and disposed of at the compost facility annually.
- Leaf Collection - The City provides a leaf collection service for citizens from October 1 to January 30 each year. An average of 2,500 tons of leaves are collected and disposed of at the compost/mulch facility during leaf collection season.
- Refuse collection - The Sanitation Division is responsible for household garbage and bulk debris from 19,000 homes per week. 16,000 tons of refuse is collected and disposed of annually. The refuse is disposed of by Waste Management.
- Litter collection - Three litter crews are responsible for keeping the primary thoroughfares litter free. Over 10,000 bags of litter are collected each year.

BMP 6.3: Municipal operations to reduce stormwater pollution

Existing: street sweeping and storm drain cleaning

Responsibility for Implementation: Public Works

BMP Objective: Cleaner streets and storm drains

Expected Results: Cleaner streets and storm drains

Implementation Schedule: currently implemented

Evaluation of Effectiveness: cleanliness of the City

Measurable Goals:

- Street Sweeping - Provide routine sweeping and cleaning of high traffic areas throughout the City where accumulations of debris occur so that the impact on stormwater systems is minimized. This includes the cleaning of all gutters, turning lanes, and underpasses located in the City. The City has three sweeper shifts.
 - Storm drain cleaning – storm drains are cleaned on a complaint basis and by visual observation.
- b. Illicit discharges shall be eliminated for storage yards, fleet or maintenance shops, outdoor storage areas, rest areas, waste transfer stations, and other municipal facilities.

BMP 6.4: Elimination of illicit discharges from municipal facilities to the maximum extent practicable

Existing: policy

Responsibility for Implementation: Each listed department

BMP Objective: Elimination of illicit discharges from municipal facilities

Expected Results: Elimination of illicit discharges from municipal facilities

Implementation Schedule: complete by January 9, 2013

Evaluation of Effectiveness: Routine inspections

Measurable Goals:

- All municipal facilities will be inspected before January 9, 2013 to insure that there are no illicit discharges occurring from these facilities. All inspections will be documented and any illicit discharges that are discovered will be documented and corrected.
 - All applicable employees shall be educated about illicit discharges from municipal facilities.
 - Vehicles and equipment will be washed in a designated wash bay or other designated wash areas.
 - Vehicles and equipment maintenance and repairs shall be performed indoors when possible.
- c. Waste materials shall be disposed of properly.

BMP 6.5: Proper disposal of waste materials from municipal operations

Existing: disposal methods

Responsibility for Implementation: All applicable departments

BMP Objective: Proper disposal of waste

Expected Results: Proper disposal of waste

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Routine inspections

Measurable Goals:

- All waste materials from municipal operations shall be disposed of properly.
- The following waste materials from municipal operations shall be recycled: used motor oil, used hydraulic fluid, used batteries, used antifreeze, tires, metal.
- All applicable employees shall be informed about proper waste disposal.

- d. Materials that are soluble or erodible shall be protected for exposure to precipitation.

BMP 6.6: Protection of soluble or erodible materials from exposure to precipitation

Existing: Policy

Responsibility for Implementation: All applicable departments

BMP Objective: Protection of soluble or erodible materials from exposure to precipitation

Expected Results: Protection of soluble or erodible materials from exposure to precipitation

Implementation Schedule: currently implemented

Evaluation of Effectiveness: n/a

Measurable Goals:

-
- Road salt for winter operations shall be stored in the salt dome.
 - Oils, grease, and other maintenance fluids will be stored in lidded containers.
 - Exposure of other materials to the environment that are soluble or erodible will be minimized to the maximum extent practicable.
 - All applicable employees shall be educated about proper storage of erodible and soluble materials.
- e. Materials, including but not limited to fertilizers and pesticides, that have a potential to pollute receiving surface waters shall be applied according to manufacturer's recommendations.

BMP 6.7: Application of materials in accordance with manufacturer's recommendation or other recommendations

Existing: training

Responsibility for Implementation: All applicable departments

BMP Objective: To insure proper application of materials that could pollute receiving surface waters

Expected Results: No excess materials will be applied

Implementation Schedule: currently implemented

Evaluation of Effectiveness: Policy will be reviewed each year

Measurable Goals:

- Pesticide training and certification - all applicable municipal employees are trained and certified in the application of pesticides.
- Fertilizer application - all applicable municipal employees will be trained in the proper application of fertilizers.
- Road salt application - all applicable municipal employees will be trained on the proper application rates of road salt from spreaders.